

Attachment H

COVER SHEET (PAGE 1 of 2)

May 1998 CALFED ECOSYSTEM RESTORATION PROPOSAL SOLICITATION

Proposal Title: Yolo Bypass Wildlife Area Expansion and Habitat Restoration ProjectApplicant Name: Craig Stowers, Associate Wildlife BiologistMailing Address: 1701 Nimbus Road, Rancho Cordova, CA. 95670Telephone: (530) 757-2431Fax: (530) 757-2518Amount of funding requested: \$6,745,000 for 3 years

Indicate the Topic for which you are applying (check only one box). Note that this is an important decision: see page ___ of the Proposal Solicitation Package for more information.

- | | |
|---|---|
| <input type="checkbox"/> Fish Passage Assessment | <input type="checkbox"/> Fish Passage Improvements |
| <input checked="" type="checkbox"/> Floodplain and Habitat Restoration | <input type="checkbox"/> Gravel Restoration |
| <input type="checkbox"/> Fish Harvest | <input type="checkbox"/> Species Life History Studies |
| <input type="checkbox"/> Watershed Planning/Implementation | <input type="checkbox"/> Education |
| <input type="checkbox"/> Fish Screen Evaluations - Alternatives and Biological Priorities | |

Indicate the geographic area of your proposal (check only one box):

- | | |
|---|---|
| <input type="checkbox"/> Sacramento River Mainstem | <input checked="" type="checkbox"/> Sacramento Tributary: _____ |
| <input type="checkbox"/> Delta | <input type="checkbox"/> East Side Delta Tributary: _____ |
| <input type="checkbox"/> Suisun Marsh and Bay | <input type="checkbox"/> San Joaquin Tributary: _____ |
| <input type="checkbox"/> San Joaquin River Mainstem | <input type="checkbox"/> Other: _____ |
| <input type="checkbox"/> Landscape (entire Bay-Delta watershed) | <input type="checkbox"/> North Bay: _____ |

Indicate the primary species which the proposal addresses (check no more than two boxes):

- | | |
|--|--|
| <input type="checkbox"/> San Joaquin and East-side Delta tributaries fall-run chinook salmon | |
| <input type="checkbox"/> Winter-run chinook salmon | <input type="checkbox"/> Spring-run chinook salmon |
| <input type="checkbox"/> Late-fall run chinook salmon | <input type="checkbox"/> Fall-run chinook salmon |
| <input type="checkbox"/> Delta smelt | <input type="checkbox"/> Longfin smelt |
| <input type="checkbox"/> Splittail | <input type="checkbox"/> Steelhead trout |
| <input type="checkbox"/> Green sturgeon | <input type="checkbox"/> Striped bass |
| <input checked="" type="checkbox"/> Migratory birds | |

COVER SHEET (PAGE 2 of 2)

May 1998 CALFED ECOSYSTEM RESTORATION PROPOSAL SOLICITATION

Indicate the type of applicant (check only one box):

- | | |
|--|---|
| <input checked="" type="checkbox"/> State agency | <input type="checkbox"/> Federal agency |
| <input type="checkbox"/> Public/Non-profit joint venture | <input type="checkbox"/> Non-profit |
| <input type="checkbox"/> Local government/district | <input type="checkbox"/> Private party |
| <input type="checkbox"/> University | <input type="checkbox"/> Other: _____ |

Indicate the type of project (check only one box):

- | | |
|-------------------------------------|--|
| <input type="checkbox"/> Planning | <input checked="" type="checkbox"/> Implementation |
| <input type="checkbox"/> Monitoring | <input type="checkbox"/> Education |
| <input type="checkbox"/> Research | |

By signing below, the applicant declares the following:

- (1) the truthfulness of all representations in their proposal;
- (2) the individual signing the form is entitled to submit the application on behalf of the applicant (if applicant is an entity or organization); and
- (3) the person submitting the application has read and understood the conflict of interest and confidentiality discussion in the PSP (Section II.K) and waives any and all rights to privacy and confidentiality of the proposal on behalf of the applicant, to the extent as provided in the Section.

Craig Stowers

(Signature of Applicant)

**PART E: Certification Regarding Lobbying
Certification for Contracts, Grants, Loans, and Cooperative Agreements**

*CHECK ☒ IF CERTIFICATION IS FOR THE AWARD OF ANY OF THE FOLLOWING AND
THE AMOUNT EXCEEDS \$100,000: A FEDERAL GRANT OR COOPERATIVE AGREEMENT;
SUBCONTRACT, OR SUBGRANT UNDER THE GRANT OR COOPERATIVE AGREEMENT.*

*CHECK ☐ IF CERTIFICATION IS FOR THE AWARD OF A FEDERAL
LOAN EXCEEDING THE AMOUNT OF \$150,000, OR A SUBGRANT OR
SUBCONTRACT EXCEEDING \$100,000, UNDER THE LOAN.*

The undersigned certifies, to the best of his or her knowledge and belief, that:

- (1) No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, and officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than Federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions.
- (3) The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

As the authorized certifying official, I hereby certify that the above specified certifications are true.



SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL

Bob Mapes
Senior Wildlife Biologist

TYPED NAME AND TITLE

DATE June 29, 1998

U.S. Department of the Interior

**Certifications Regarding Debarment, Suspension and
Other Responsibility Matters, Drug-Free Workplace
Requirements and Lobbying**

Persons signing this form should refer to the regulations referenced below for complete instructions:

Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions - The prospective primary participant further agrees by submitting this proposal that it will include the clause titled, "Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transaction," provided by the department or agency entering into this covered transaction, without modification, in all lower tier covered transactions and in all solicitations for lower tier covered transactions. See below for language to be used or use this form for certification and sign. (See Appendix A of Subpart D of 43 CFR Part 12.)

Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions - (See Appendix B of Subpart D of 43 CFR Part 12.)

Certification Regarding Drug-Free Workplace Requirements - Alternate I. (Grantees Other Than Individuals) and Alternate II. (Grantees Who are Individuals) - (See Appendix C of Subpart D of 43 CFR Part 12)

Signature on this form provides for compliance with certification requirements under 43 CFR Parts 12 and 18. The certifications shall be treated as a material representation of fact upon which reliance will be placed when the Department of the Interior determines to award the covered transaction, grant, cooperative agreement or loan.

PART A: Certification Regarding Debarment, Suspension, and Other Responsibility Matters - Primary Covered Transactions

CHECK ☒ IF THIS CERTIFICATION IS FOR A PRIMARY COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective primary participant certifies to the best of its knowledge and belief, that it and its principals:
- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded by any Federal department or agency;
 - (b) Have not within a three-year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
 - (c) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1)(b) of this certification; and
 - (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.
- (2) Where the prospective primary participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

PART B: Certification Regarding Debarment, Suspension, Ineligibility and Voluntary Exclusion - Lower Tier Covered Transactions

CHECK ☐ IF THIS CERTIFICATION IS FOR A LOWER TIER COVERED TRANSACTION AND IS APPLICABLE.

- (1) The prospective lower tier participant certifies, by submission of this proposal, that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
- (2) Where the prospective lower tier participant is unable to certify to any of the statements in this certification, such prospective participant shall attach an explanation to this proposal.

DI-2010
 June 1995
 (This form replaces DI-1963, DI-1964,
 DI-1965, DI-1966 and DI-1967)

PART C: Certification Regarding Drug-Free Workplace Requirements

CHECK ☒ IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS NOT AN INDIVIDUAL

Alternate I. (Grantees Other Than Individuals)

A. The grantee certifies that it will or continue to provide a drug-free workplace by:

- (a) Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the grantee's workplace and specifying the actions that will be taken against employees for violation of such prohibition;
- (b) Establishing an ongoing drug-free awareness program to inform employees about—
 - (1) The dangers of drug abuse in the workplace;
 - (2) The grantee's policy of maintaining a drug-free workplace;
 - (3) Any available drug counseling, rehabilitation, and employee assistance programs; and
 - (4) The penalties that may be imposed upon employees for drug abuse violations occurring in the workplace;
- (c) Making it a requirement that each employee to be engaged in the performance of the grant be given a copy of the statement required by paragraph (a);
- (d) Notifying the employee in the statement required by paragraph (a) that, as a condition of employment under the grant, the employee will —
 - (1) Abide by the terms of the statement; and
 - (2) Notify the employer in writing of his or her conviction for a violation of a criminal drug statute occurring in the workplace no later than five calendar days after such conviction;
- (e) Notifying the agency in writing, within ten calendar days after receiving notice under subparagraph (d)(2) from an employee or otherwise receiving actual notice of such conviction. Employers of convicted employees must provide notice, including position title, to every grant officer on whose grant activity the convicted employee was working, unless the Federal agency has designated a central point for the receipt of such notices. Notice shall include the identification numbers(s) of each affected grant;
- (f) Taking one of the following actions, within 30 calendar days of receiving notice under subparagraph (d)(2), with respect to any employee who is so convicted —
 - (1) Taking appropriate personnel action against such an employee, up to and including termination, consistent with the requirements of the Rehabilitation Act of 1973, as amended; or
 - (2) Requiring such employee to participate satisfactorily in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State, or local health, law enforcement, or other appropriate agency;
- (g) Making a good faith effort to continue to maintain a drug-free workplace through implementation of paragraphs (a) (b), (c), (d), (e) and (f).

B. The grantee may insert in the space provided below the site(s) for the performance of work done in connection with the specific grant:

Place of Performance (Street address, city, county, state, zip code)

Yolo Bypass, Yolo County

Check ☐ if there are workplaces on file that are not identified here.

PART D: Certification Regarding Drug-Free Workplace Requirements

CHECK ☐ IF THIS CERTIFICATION IS FOR AN APPLICANT WHO IS AN INDIVIDUAL.

Alternate II. (Grantees Who Are Individuals)

- (a) The grantee certifies that, as a condition of the grant, he or she will not engage in the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance in conducting any activity with the grant;
- (b) If convicted of a criminal drug offense resulting from a violation occurring during the conduct of any grant activity, he or she will report the conviction, in writing, within 10 calendar days of the conviction, to the grant officer or other designee, unless the Federal agency designates a central point for the receipt of such notices. When notice is made to such a central point, it shall include the identification number(s) of each affected grant.

DI-2010
June 1996
(This form replaces DI-1963, DI-1964,
DI-1966, DI-1968 and DI-1983)

Section II. Executive Summary

The Yolo Bypass Wildlife Area Expansion and Habitat Restoration project proposal consists of three parts: 1) land acquisition; 2) construction to convert agricultural lands to wetlands and native perennial grasslands; and 3) establishment of secure operating funds and the implementation of long-term management practices.

Project benefits include establishment of additional seasonal and semi-permanent wetlands, as well as native perennial grassland habitats, within the North Delta Ecological Unit of the Sacramento-San Joaquin Delta Ecological Zone.

Land will be acquired in fee title by the State of California, Department of Fish and Game (DFG) to be included in the Yolo Bypass Wildlife Area. A restoration plan will be developed, and a qualified contractor will be selected to convert agricultural lands to wetlands and native grassland units. Following completion of construction, long-term management activities, including public use programs, will be implemented by DFG personnel.

Increases in wetland habitats will be a major benefit to migratory waterfowl and other water related species (wading and shorebirds). Other benefits include increases in native grassland habitats for nesting birds and research opportunities, increases in foraging opportunities/areas for certain raptor species, and increased opportunities for public use.

Anticipated project cost is \$6,745,000. Any revenue reductions related to the conversion of agricultural lands will be compensated for by increases in revenue generated by tourism and recreation.

Project oversight will primarily be the responsibility of the Yolo Bypass Wildlife Area area manager. The contractor selected will be required to have a quality control inspector on site to assure all specifications are met. Biological data (wildlife populations/seasonality of use/vegetative response to water manipulation) will be collected and analyzed by DFG personnel using standard techniques.

Public support for the establishment of the Yolo Bypass Wildlife Area has been extremely high. Many different agencies/groups, both public and private, collaborated to design the original project to function and provide high quality wildlife habitat and public use opportunities in an area traditionally used for flood control and agricultural purposes.

Section III. Title Page

Title: Yolo Bypass Wildlife Area Expansion and Habitat Restoration Project

Name of applicant: Craig Stowers, Associate Wildlife Biologist
Address: 1701 Nimbus Road, Rancho Cordova, CA. 95670
Phone/fax/E-mail: (530) 757-2431/(530) 757-2518/cstowers@gotnet.net
Organization: California Department of Fish and Game, Wildlife Management, Region 2

Type of Organization/
tax status: State Agency/Not Exempt

Tax Identification
Number: 94-1697567

Participants in
Implementation: Implementation of this project will require review and approval from different local, state, and federal entities including, but not limited to, the U.S. Army Corps of Engineers, U.S. Fish and Wildlife Service, California Department of Water Resources, State Reclamation Board, Wildlife Conservation Board, the Yolo County Planning Commission and/or Board of Supervisors. Additionally, a contractor experienced in wetland restoration techniques will be selected to prepare the site and perform required earth work.

Section IV. Project Description

a. Project Description and Approach:

This project proposal is to obtain funding to acquire approximately 1,100 additional acres of land adjacent to or landlocked by the California Department of Fish and Game's (DFG) Yolo Bypass Wildlife Area (YBWA), Yolo County; to create additional seasonal wetland, semi-permanent wetland, and upland habitats by modifying the topography (ie sculpting ponds, creating levees and roads, etc.) and water regime of the land which is currently being utilized for agricultural purposes; and to provide sufficient operating funds within the YBWA annual budget to defray increased maintenance costs.

Subject lands will be purchased from willing sellers. A restoration plan, utilizing information developed in the establishment of the original YBWA, will be written to identify habitat restoration/management activities, and to ensure that all permit requirements are met. Once the appropriate environmental review process is complete, a contractor will be selected (using appropriate process/criteria) to perform the required work. A trust fund to ensure adequate funding to meet increased maintenance costs will be established. At least one additional permanent, full-time employee will be hired to meet additional management responsibilities.

b. Proposed Scope of Work:

Phase I of this project is land acquisition and the development/approval of the restoration plan. Tasks related to land acquisition include appraisal and purchase of the various parcels. Time-frame for completion - 1-1.5 years; schedule - to begin immediately upon grant award; budgets - \$1,980,00.00 (\$1,800/acre); deliverable - acreage for expansion.

The restoration plan will be developed concurrently with land acquisition activities. The plan will identify the amount and location of habitats to be created, water supply/drain system, and related management activities. The plan will utilize existing information, specifications, and requirements developed in the preparation of the Environmental Impact Report for the creation and management of the YBWA. The plan will be subject to environmental review under the California Environmental Quality Act; additional permits and/or modifications to existing operational permits from other agencies may also be required. Time frame for completion - approximately six (6) months; schedule - concurrent with land acquisition activities; budget - \$25,000; deliverable - approved restoration plan with all necessary operational permits granted.

Phase II of this project involves selection of a contractor and the performance of all necessary earth moving work. First task in this phase is to develop contract specifications and secure a qualified contractor. Second task involves site preparation (surveying, staking, etc.) and earth moving. Time frame for completion - two (2) months to develop contract specifications and secure contractor, two (2) months for site preparation, four to six (4-6) months for earth

moving; schedule - contract specifications developed concurrently with restoration plan. Contractor selection, site preparation, and earth moving activities dependent upon successful completion of land acquisition; budget - \$2,200,000 (average cost for all habitat types @\$2,000/acre) + 440,000 (overhead) = 2,640,000; deliverable - completed habitats.

Phase III of this project is the implementation of long term management activities. The first task is to secure adequate funding to defray increased maintenance costs to the YBWA by creating a trust fund with sufficient principal so that interest generated can meet anticipated costs. The second task is to implement management recommendations identified in the restoration plan, including, but not limited to hiring additional staff, purchase of additional equipment/materials, and development of public use programs. Time frame for completion - to be completed by close of construction activities; schedule - establish trust in year two and use interest earned prior to completion of earthwork to defray unanticipated costs or to lower total project cost. Preparations for hiring additional staff would begin a minimum of two (2) years prior to anticipated project completion.; budget - \$2,000,000 (generates \$100,000/year @ 5% interest); deliverable - development and maintenance of target habitats, successful public use program.

c. Location and/or Geographic Boundaries of the Project:

The project area is located in Yolo County, between the cities of Davis and West Sacramento within the Yolo Bypass immediately south of the Interstate 80 causeway. This area is included within the Yolo Basin, North Delta Ecological Unit of the Sacramento-San Joaquin Delta Ecological Zone.

d. Expected Benefit(s):

The focus of this project is primarily to increase the quantity and quality of both seasonal and semi-permanent wetlands available for use by migratory waterfowl and other water related species. Additional upland acres, focusing on native perennial grass species, would also be created.

Primary benefits from the establishment of the wetland areas include: an increase in available habitat (forage, cover, space) for migratory waterfowl, wading birds, and shorebirds ; increased opportunity for dispersal of large concentrations of waterfowl, thereby reducing potential losses from disease; and increased foraging opportunities for various raptor species (documented observances of Bald eagle, Peregrine falcon, Ferruginous hawk, and Osprey were made at the YBWA during the winter of 97/98).

Primary benefits from the creation of additional upland areas include: increased nesting habitat for resident waterfowl and upland (ie pheasant) species; potential increase in foraging habitat for raptor species including Swainson's hawk; and provision of additional opportunities for reestablishment efforts regarding native perennial grass species.

Secondary benefits resulting from this project include: increased recreational and educational opportunities for the general public; creation of additional routes to provide better public access to all units of the YBWA under varying weather and road conditions; potential improvement in delta water quality resulting from decrease in use of agricultural chemicals and increased "filtering" effects from additional wetland acreage; provision of additional research opportunities regarding reestablishment of native species in flood prone areas.

e. Background and Ecological/Biological/Technical Justifications:

The Yolo Basin has been identified by the Central Valley Habitat Joint Venture (CVHJV) as a first priority area for wetland protection, with a goal of 10,000 acres of restored wetlands. In November, 1997 the DFG opened the 3,700 acre YBWA for public use, adding approximately 2,700 acres of seasonal and 190 acres of permanent wetlands to the Yolo Basin wetland resource. Prior to the construction of the Yolo Bypass, this area was part of a vast wetland complex, supporting high use by migratory waterfowl, primarily as a wintering area, as well as a variety of other wildlife species.

Alteration of the hydrology of the area and subsequent conversion of much of the land to agricultural uses has severely diminished the value of the area for wildlife. During periods of winter flooding, the Yolo Bypass can still support waterfowl populations in excess of one million birds; however, the area is mostly used for roosting, as much of the available forage is under too much water to be available. Increases in habitat for wading and shore-birds (shallow water and mud-flats) usually occur as the water rises and recedes but only exists for a very short time. Additionally, flooding is sporadic and may not occur during seasons when the need is greatest, or may not occur at all. Uncultivated areas lining ditches and roads provide marginal habitat for other avian species, amphibians/reptiles, and small mammals.

Even though vegetation for both forage and cover was sparse the first year as much of the ponds and levees were newly created, the YBWA supported in excess of 50,000 waterfowl during the period mid-November to early January when the Yolo Bypass flooded. Wading birds utilized the seasonal wetlands for foraging, and mud-flats created during flood-up and draw-down created important habitat for shorebirds. Wildlife response to the newly opened area was favorable even though most of the management activities in the first year consisted of water management, road maintenance, and implementation of public use programs. Wildlife use is expected to increase as typical wetland vegetation becomes established throughout the area.

This project involves the conversion of up to 1,000 acres of agricultural land into seasonal wetlands, semi-permanent wetlands, and uplands. Specific Ecosystem Restoration Project and Program objectives addressed in this proposal are contained in Volume II, Sacramento-San Joaquin Delta Ecological Zone and include:

1. Page 50, Fresh Emergent Wetland Habitat (Nontidal), target 1, programmatic action 1B-restoration of nontidal freshwater marshes in the Yolo Bypass;
2. Page 51, Seasonal Wetland Habitat, target 1, programmatic action 1B-restore and manage 2,000 acres of additional seasonal wetland in association with the Yolo Basin (sic) Wildlife

Area;

3. Page 54, Perennial Grassland, target 1, programmatic action 1A-restore 1,000 acres of perennial grassland in North Delta Ecological Unit;
4. Page 72, Shorebirds and Wading Birds, improve populations and distribution of shorebirds and wading birds from restoration of wetlands'
5. Page 73, Waterfowl, improve populations and distribution of waterfowl from restoration of wetland habitats.

First year experience at the YBWA with regards to flood waters indicate that proper water management before and during a flood event can minimize damage to roads and levees. The YBWA was inundated three (3) separate times between January and June, 1998 for periods ranging from a few weeks to several months. Even though this was an extremely high water year in the Yolo Bypass, damage to the area was minimal, consisting of some dirt and gravel displacement (primarily on east-west oriented roads and levees), several levee cuts, and sedimentation of water control structures and pipe. There is no doubt that maintenance of roads and levees will be a challenge during wet periods and following flood events, but it will not be an impossible task.

Information developed during the creation of the Environmental Impact Report for the original project will be utilized to develop the restoration plan for the additional acreage. Extensive hydrological modeling has been performed for the area. This modeling has produced design specification for roads and levees and habitat restrictions regarding species composition and density which will have no measurable impact to flood flows. The water regime has been designed to minimize any competition for water from agricultural operations, while reducing potential health related impacts from increased mosquito populations. This information will be used to design and construct a project to meet all requirements placed on the original creation of the YBWA.

f. Monitoring and Data Evaluation:

The monitoring program will use wildlife population/use data to assess the effectiveness of habitat manipulation and management efforts on the YBWA. The monitoring program currently in use can be expanded to include the additional acreage. The collection of biological data is the responsibility of a wildlife biologist currently on staff, and assisted by seasonal/scientific aides and the remainder of the staff as required. Data currently collected consists of seasonal waterfowl population numbers, patterns/seasonality of waterfowl use, water management and related vegetative response, vegetative diversity and density, and hunter days/harvest. Data is collected and analyzed using standard techniques. Results are compiled annually for review and recommendations from the DFG Habitat Committee, a group of habitat managers which reviews the effectiveness of the management activities of each state wildlife area annually.

Additional data regarding sediment deposition, water quality, and flood water effects on the infrastructure of the YBWA will also be collected. An annual report summarizing much of

this information is to be prepared and presented to the U.S. Army Corps of Engineers for review. Information collected may be used to modify construction and/or management practices on other private, state, and federal wildlife areas.

g. Implementability:

This project will require environmental review under the California Environmental Quality Act, a section 404 permit for earth moving activities, and may require modification to an operational permit already granted by the State Reclamation Board for the YBWA. A conceptual area plan regarding the original purchase of lands for the YBWA and future expansions has already been completed and approved by DFG. Coordination with all other agencies will be continued. Mitigation measures adopted for construction activities with regards to the Giant Garter Snake will continue to be observed. Adjustments in costs relating to the Mace Ranch Irrigation District may have to be modified. Currently, as long as the specifications relating to flood-up and draw-down are met, no fee is being charged for mosquito control operations conducted by the local mosquito control district. Additions to wetland acreage may require a modification to this agreement. .

The YBWA has been strongly supported by the local community in the past, and the Yolo Basin has been previously identified by the CVJHV as a first priority area for wetland protection, with a goal of 10,000 acres of restored wetlands. The YBWA is the product of a partnership including various federal, state, and local agencies, as well as several non-profit organizations. Its location provides an unique opportunity for wildlife management agencies to provide increased recreational opportunities for traditional users, as well as educational opportunities to introduce less knowledgeable visitors to the importance and value of wetland habitats.

Section V. Costs and Schedule to Implement Proposed Project

a. Budget Costs

Project phase and task	IA: property acquisition	IB: restoration plan	IIA: secure contractor	IIB: earth work	IIIA: establish trust	IIB: implement management practices	
Direct Salary and Benefits		\$25,000.00	\$5,000.00	\$435,000.00		\$40,000.00	\$65,000.00
Overhead				\$2,200,000.00			\$440,000.00
Service Contracts						\$60,000.00	\$2,200,000.00
Material and Acquisition Contracts					\$2,000,000.00		\$60,000.00
Miscellaneous and other direct costs	\$1,980,000.00						\$3,980,000.00
Total cost	\$1,980,000.00	\$25,000.00	\$5,000.00	\$2,635,000.00	\$2,000,000.00	\$100,000.00	\$6,745,000.00

b. Schedule Milestones (note: dates were established assuming grants awarded Jan. 1, 1999)

Project phase and task	Start date	Completion date	Payment Required
IA: property acquisition	1/15/99	by 7/15/01	Yes
IB: restoration plan	1/15/00	6/15/00	Yes
IIA: secure contractor	5/15/01	7/15/01	No
IIB: earth work	8/1/01	9/1/02 (depends upon length of working seasons)	Yes
IIIA: establish trust	1/1/01	6/1/01	Yes
IIIB: implement management practices	9/1/02	on-going	Yes

c. Third Party Impacts

Impacts to losses in agricultural revenue from the conversion of agricultural lands to wetlands would be offset by an increase in revenue generated from increased tourism and recreational use.

Section VI. Applicant Qualifications

Under the supervision of the Senior Wildlife Biologist, Supervisor, the manager of the YBWA will be designated project manager for this project. Negotiations for and the purchase of the additional land will be conducted by representatives of the Wildlife Conversation Board. The restoration plan will be developed by qualified DFG wildlife biologists experienced in wetland management in conjunction with other interested public/private agencies/groups. The YBWA area manager and wildlife management division contract analysts will write contract specifications to ensure that a qualified contractor, experienced in wetland construction, will be selected. The contract will be advertised, and responses evaluated and scored, using standard procedures for the State of California. The selected contractor will be responsible for all site preparation and earth moving activities undertaken, under the supervision of the YBWA area manager. Maintenance of the completed project will be undertaken by current and additional DFG employees at YBWA. The monitoring effort will be implemented under the direction of the DFG wildlife biologist assigned to the area, under the supervision of the YBWA area manager.

Employees of the State of California, Department of Fish and Game, will be required to recuse themselves from the review of this project.

Section VII. Compliance with standard terms and conditions.

All terms and conditions are agreeable to and will be complied with by the State of California, Department of Fish and Game.